MR. K. NARAYANAPERUMAL NADAR : May I know the date of that representation ?

MR. M. P. JOSEPH : It was given at the time of the memorial ?

MR. K. NARAYANAPERUMAL NADAR : May I know the approximate loss of income that Government may incur if customs duty on jaggery is abolished?

MR. M. P. JOSEPH : I cannot say now.

MR. PULIYOOR T. P. VELAYUDHAN PILLAI : May I know from the honourable member the total amount of money collected in the year 1113 by way of customs duty on palmyra jaggery ?

MR. M. P. JUSEPH : I cannot give the figure now.

Bridge at Thottapally.

10. *MR. S. NARAYANA PILLAI (*Quilon* cum *Kottarakara*) : Will the Government be pleased to state ;

(*a*) what was the original estimated cost of putting up the temporary bridge at Thottapally ;

(*b*) what is the sum actually spent on the construction of the bridge ;

(*c*) the name of the officer who was in charge of the construction of the bridge together with his qualification ; and

(*d*) whether he had sought the advice of any qualified person in regard to the feasibility of the scheme ?

MR. M. K. NILAKANTA AIYAR : (*a*) Original estimate for a bridge for light loading Rs. 3,500. This was changed to a permanent bridge for heavy loading estimated to cost about Rs. 10,000.

(*b*) The work has not yet been completed. It is expected to cost Rs. 10,000.

(*c*) Mr. S. Kamesam, the Director of Development. Full Membership of the Institution of Engineers (India) of 6 years' standing. Honours from the Madras Engineering College and first in B. E. (Mech) of the Madras University in 1920. Author of a Government of India publication entitled " Treated timber for highway bridges " and of another dealing with " Timber bridge design and construction " in course of publication by the Government of India. Expert for the Forest Research Institute, Dehra Dun, for long span bridge construction. The only South Indian Engineer who has won the blue riband of the Institution of Engineers for 1932-33 His Excellency the Viceroy's prize.

(*d*) There was no necessity for this, and the Director of Development is fully qualified to design and undertake the work in question.

Thottapally Bridge.

11. *MR. P. NARAYANA PILLAI (*Mavelikara* cum *Kunnatiur*) : Will the Government be pleased to state :

(*a*) who was supervising the construction of the Thottapally bridge ;

(*b*) whether there was any stipulation that the bridge should be completed before any particular date ; and

(*c*) what is the amount spent on it ?

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MR. M. K. NILAKANTA AIYAR: (*a*) Director of Development.
(*b*) No.
(*c*) About Rs. 6,000.

MR. P. NARAYANA PILLAI: May I know whether there is any guarantee about the durability of the bridge?

MR. M. K. NILAKANTA AIYAR: There is no guarantee. But I may say for the information of the House that in America there is a railway bridge which is made of treated wood and that this has been lasting for 50 years.

MR. K. P. KOCHUKORATHARAKAN: അമേരിക്കയിലേയും ഇവിടത്തെയും ക്ലൈമേറ്റ് ഒരുപോലെയാണോ?

MR. M. K. NILAKANTA AIYAR: അമേരിക്കയെപ്പോലുള്ള കണ്ടിഷൻ ഇവിടെയുണ്ടെങ്കിൽ ഇവിടെയും അതു ഈടുനിൽക്കും.

MR. K. P. KOCHUKORATHARAKAN: എത്ര വർഷം നിലനിൽക്കും.

MR. M. K. NILAKANTA AIYAR: ഇവിടെ കറഞ്ഞതു 40 വർഷം നിലനിൽക്കും.

Wooden bridge at Thottapally.

12. ✻ MR. N. NARAYANA KURUP (*Ambalapuzha* cum *Shertala*): Will the Government be pleased to state:

(*a*) whether sanction has been accorded for the construction of a wooden bridge at Thottapally in the Ambalapuzha Taluq;

(*b*) if the answer to part (*a*) is in the affirmative, when the sanction was given;

(*c*) the estimated cost for the work;

(*d*) whether tenders were invited for the work;

(*e*) the name of contractors or firm who were entrusted with the work;

(*f*) when the work was commenced;

(*g*) the name and designation of the officer who has been in charge of the work;

(*h*) whether any agreement has been made and the period specified for the completion of the bridge;

(*i*) whether any attempt was made to complete the work before the visit of His Excellency The Viceroy on the 9th January 1939:

(*j*) whether the attempt has been successful;

(*k*) if the answer to part (*j*) is in the negative, what were the circumstances under which the attempt was a failure;

(*l*) the total amount spent on the bridge so far; and

(*m*) whether regular and through traffic of line boats and *Vallums* between Alleppey and Quilon have been stopped or interrupted on any occasion on account of the above work?

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